THE ASTROPHYSICAL JOURNAL LETTERS

CONTENTS OF VOLUME 402 , PART 2

1993 JANUARY 1, Number 1

	Page	Fiche
THE CENTER OF GRAVITY AND DENSITY PROFILE OF 47 TUCANAE *D. Calzetti, G. De Marchi, F. Paresce, & M. Shara*	L1	6-B1
ROTATION AND ACTIVITY AMONG SOLAR-TYPE STARS OF THE URSA MAJOR GROUP *David R. Soderblom & Michel Mayor*	L5	6-B9
THE FAR-INFRARED AND X-RAY RADIATION OF ACTIVE LATE-TYPE STARS: SUGGESTIONS FOR STRONG SPOTTEDNESS *M. M. Katsova & V. Tsikoudi*	L9	6-C1
ROSAT DETECTIONS OF X-RAY EMISSION FROM YOUNG B-TYPE STARS *J. H. M. M. Schmitt, H. Zinnecker, R. Cruddace, & F. R. Harnden, Jr.*	L13	6-C8
ABUNDANCE OF INTERSTELLAR CARBON TOWARD ζ OPHIUCHI *Jason A. Cardelli, John S. Mathis, Dennis C. Ebbets, & Blair D. Savage*	L17	6-D1
THE MILLIMETER-WAVE SPECTRUM OF THE MgH AND MgD RADICALS *L. M. Ziurys, W. L. Barclay, Jr., & M. A. Anderson*	L21	6-D8
LINE-RESOLVED SPECTROSCOPY OF THE JOVIAN H_3^+ AURORAL EMISSION AT 3.5 MICROMETERS *Pierre Drossart, Jean-Pierre Maillard, John Caldwell, & Jan Rosenqvist*	L25	6-E1
INSTRUCTIONS TO AUTHORS OF *LETTERS*, RECENT *LETTERS* ABSTRACTS, AUTHOR AND SUBJECT INDEXES	*Inside Back Cover*	

1993 JANUARY 10, Number 2

	Page	Fiche
ON THE GAMMA-RAY EMISSION FROM 3C 279 *W. Bednarek*	L29	12-C1
INTERPRETATION OF GAMMA-RAY BURST SOURCE COUNT STATISTICS *Vahé Petrosian*	L33	12-C7
DISCOVERY OF AN OPTICAL SYNCHROTRON JET IN 3C 264 *P. Crane, R. Peletier, D. Baxter, W. B. Sparks, R. Albrecht, C. Barbieri, J. C. Blades, A. Boksenberg, J. M. Deharveng, M. J. Disney, P. Jakobsen, T. M. Kamperman, I. R. King, F. Macchetto, C. D. Mackay, F. Paresce, G. Weigelt, P. Greenfield, R. Jedrzejewski, & A. Nota*	L37	12-D1
FAST ROTATION IN THE NUCLEAR REGION OF THE GALAXY NGC 1808 *Bärbel Koribalski, John M. Dickey, & Ulrich Mebold*	L41	12-D9
ULTRAVIOLET IMAGING TELESCOPE IMAGES: LIMITS ON RECENT STAR FORMATION IN HOLMBERG IX *Jesse K. Hill, Susan E. Gessner, Ralph C. Bohlin, Kwang-Ping Cheng, Paul M. N. Hintzen, Robert W. O'Connell, Morton S. Roberts, Andrew M. Smith, Eric P. Smith, & Theodore P. Stecher*	L45	12-E1
TWO NEWLY DISCOVERED MILLISECOND PULSARS *D. J. Nice, J. H. Taylor, & A. S. Fruchter*	L49	12-E7

	Page	Fiche
METALLICITY MAPS OF THE GLOBULAR CLUSTER SYSTEM IN THE GALAXY *Emilio J. Alfaro, Jesús Cabrera-Caño, & Antonio J. Delgado*	L53	12-F1
STRIPPING OF A PLANETARY NEBULA FROM THE GLOBULAR CLUSTER M22 *Kazimierz J. Borkowski, Zlatan Tsvetanov, & J. Patrick Harrington*	L57	12-F9
THE CIRCUMSTELLAR GAS SURROUNDING 51 OPHIUCHI: A CANDIDATE PROTO-PLANETARY SYSTEM SIMILAR TO β PICTORIS *C. A. Grady & J. M. S. Silvis*	L61	12-G1
UPPER LIMITS TO THE CO $J = 1$–0 EMISSION AROUND VEGA-LIKE STARS: GAS DEPLETION OF THE CIRCUMSTELLAR RING AROUND ε ERIDANI *Takuya Yamashita, Toshihiro Handa, Toshihiro Omodaka, Yoshimi Kitamura, Eiko Kawazoe, Saeko S. Hayashi, & Norio Kaifu*	L65	12-G7
OH AND H_2O MASERS IN SAGITTARIUS B1: EVIDENCE FOR ONGOING STAR FORMATION *David M. Mehringer, Patrick Palmer, & W. M. Goss*	L69	13-A1
A POSSIBLE CONNECTION BETWEEN CH^+ AND INTENSE FAR-ULTRAVIOLET RADIATION FIELDS *Theodore P. Snow*	L73	13-A7
SOLAR ACTIVITY AND OSCILLATION FREQUENCY SPLITTINGS *M. F. Woodard & K. G. Libbrecht*	L77	13-B1
DIRECT 75 MILLIARCSECOND IMAGES FROM THE MULTIPLE MIRROR TELESCOPE WITH ADAPTIVE OPTICS *M. Lloyd-Hart, R. Dekany, B. McLeod, D. Wittman, D. Colucci, D. McCarthy, & R. Angel*	L81	13-B7
DISCRETENESS NOISE VERSUS ERRORS IN *N*-BODY SIMULATIONS *Lars Hernquist, Piet Hut, & Jun Makino*	L85	13-C1
INSTRUCTIONS TO AUTHORS OF *LETTERS*, RECENT *LETTERS* ABSTRACTS, AUTHOR AND SUBJECT INDEXES	*Inside Back Cover*	